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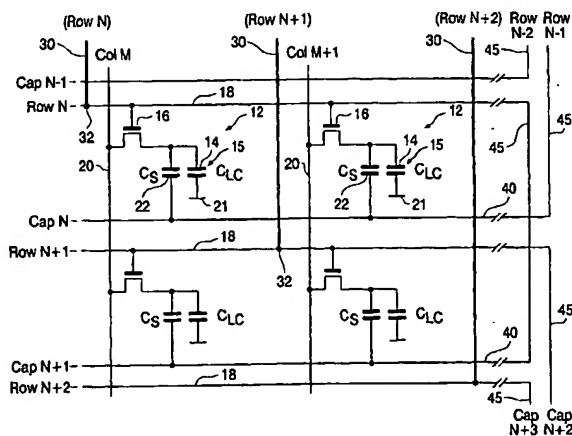
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(54) Title: ACTIVE MATRIX LIQUID CRYSTAL DISPLAY DEVICE



(57) Abstract: An active matrix liquid crystal display device has an array of picture elements (12), each comprising a picture element electrode (14) and a switching device (16), addressed by crossing sets of selection (row) and data (column) address conductors (18,20), and a set of supplementary connection lines (30) extending in the direction of the data address conductors (20) and connected to respective ones of the row address conductors (18) enabling addressing of the array from one side or opposed sides. Each picture element includes a storage capacitor (22) connected to its picture element electrode and a capacitor line (40) shared by picture elements in the same row. The selection conductor of one row of picture elements is coupled to a respective capacitor line associated with a different row, for example via a connection line (45) at their ends, whereby each connection line is connected to a respective selection conductor for the row of picture elements and the capacitor line for another row coupled thereto. In addition to enabling unwanted display artefacts caused by spurious parasitic capacitances to be avoided, the arrangement also allows capacitively coupled drive schemes to be employed with the necessary drive signals being supplied through the connection lines.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G09G3/36 G02F1/1362

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G09G G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	US 2002/075440 A1 (DEANE STEVEN C) 20 June 2002 (2002-06-20) abstract paragraph '0022! - paragraph '0027!; claim 1; figure 2	1,2,5-7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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